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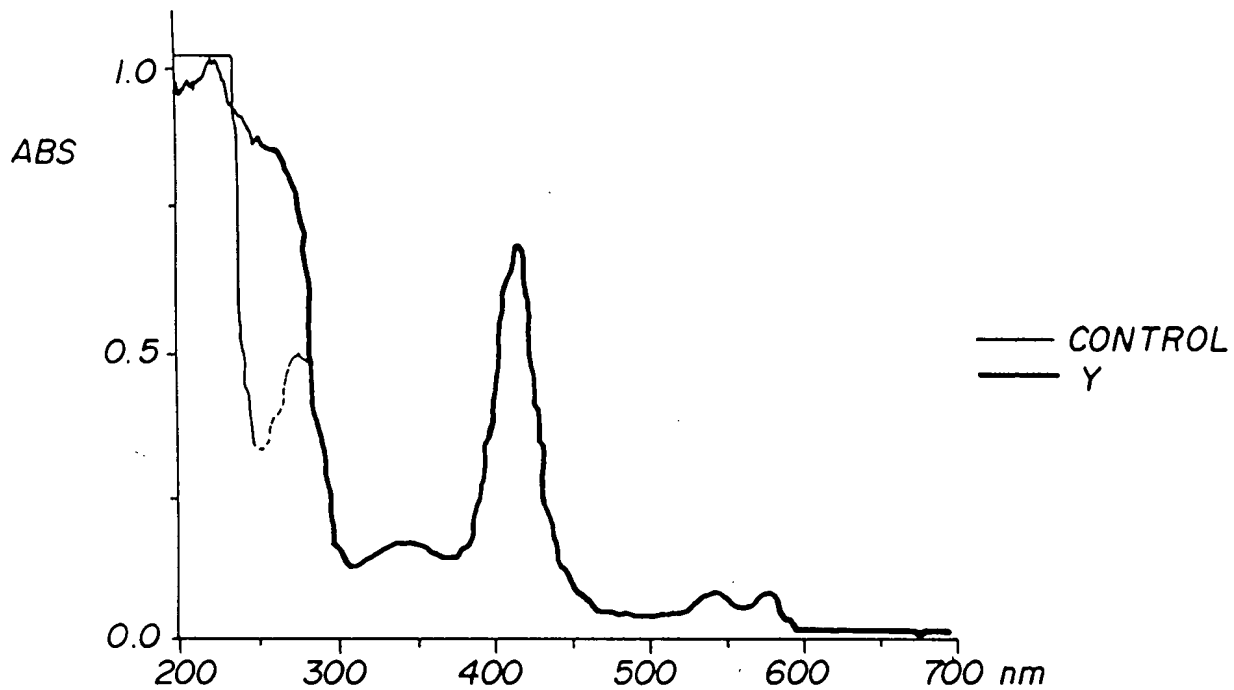


Fig. 1

Fig. 3a

NON-TREATED

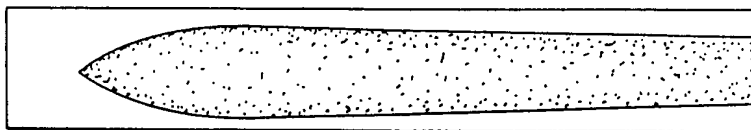
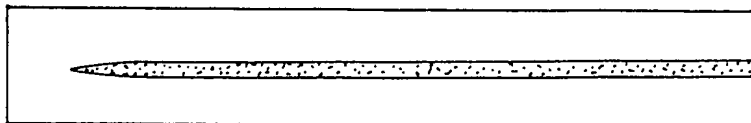


Fig. 3b

TREATED



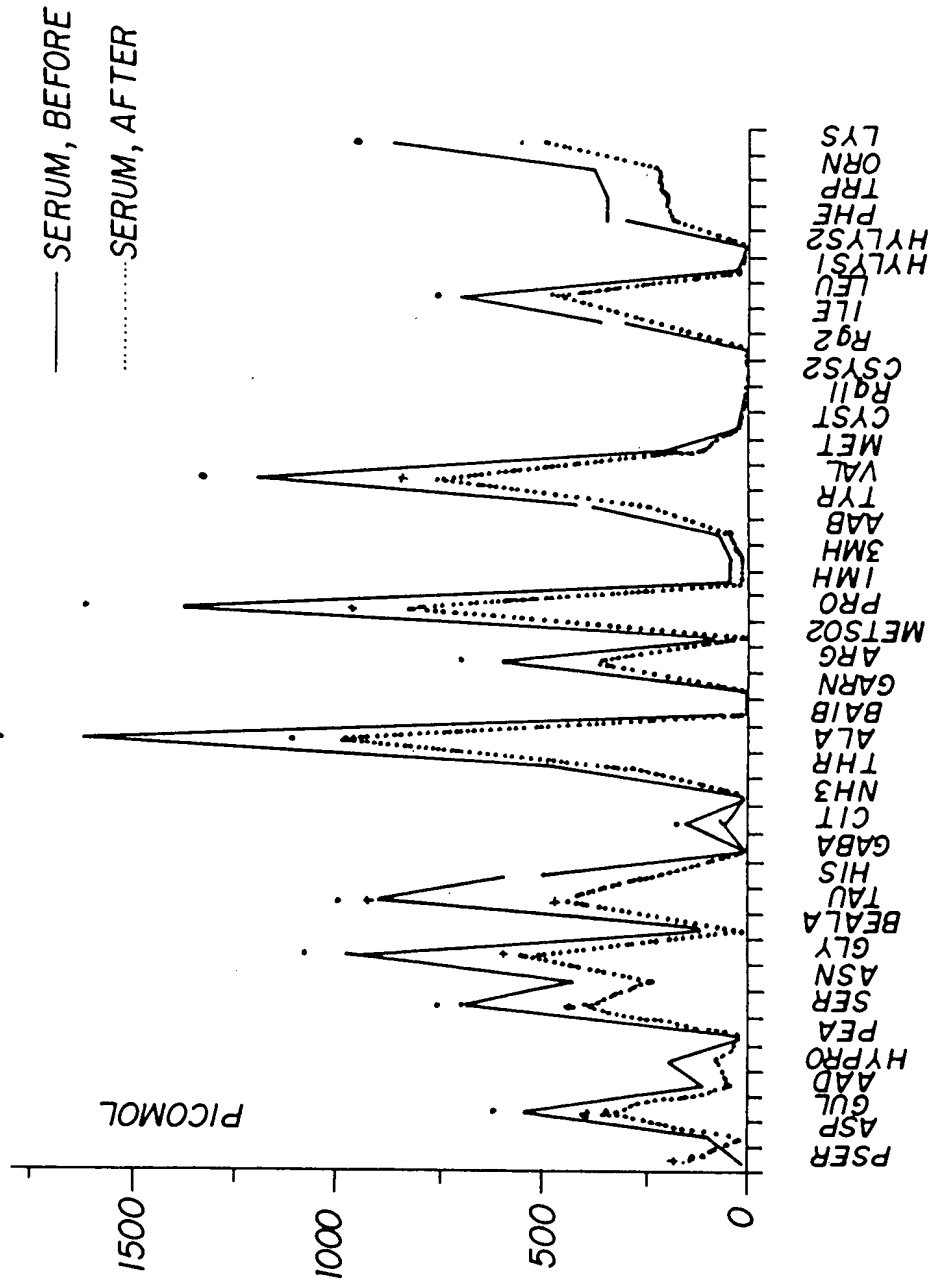


Fig. 2(a)

Fig. 2(b)

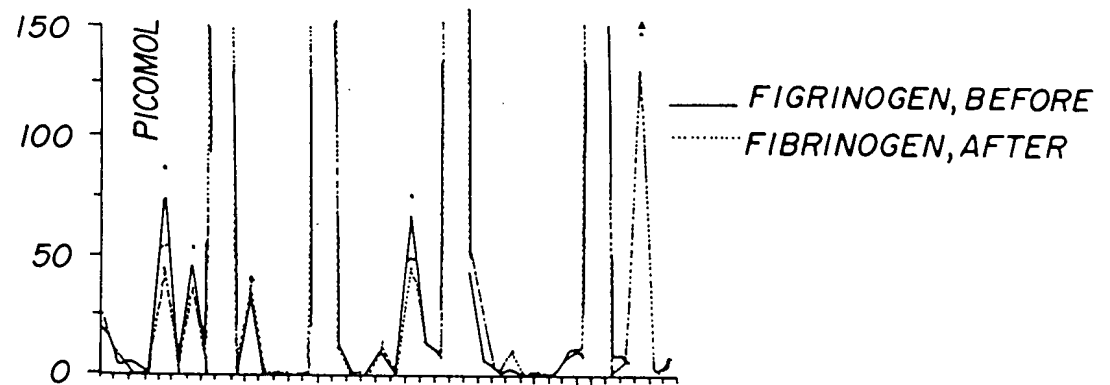
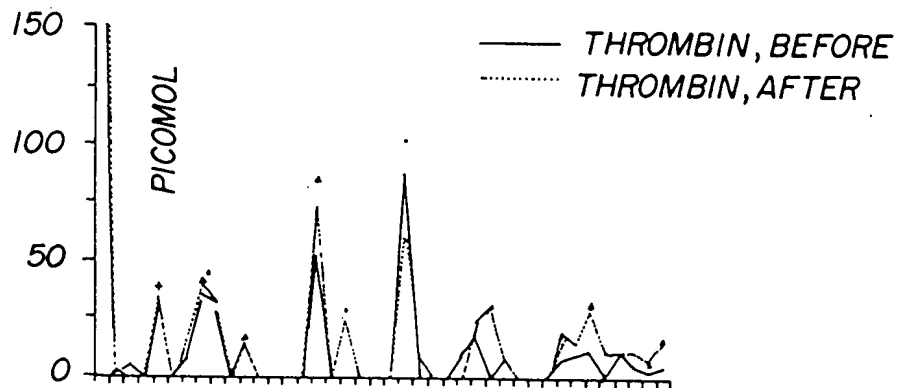


Fig. 2(c)



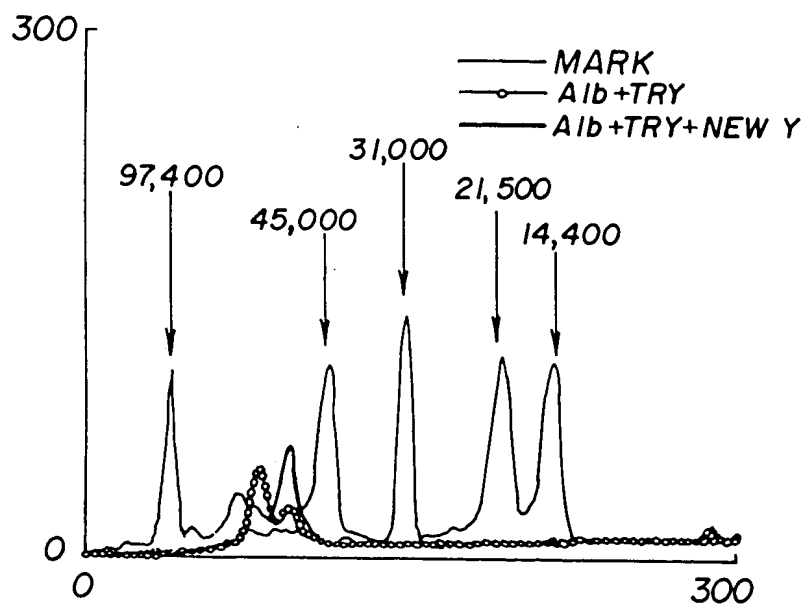
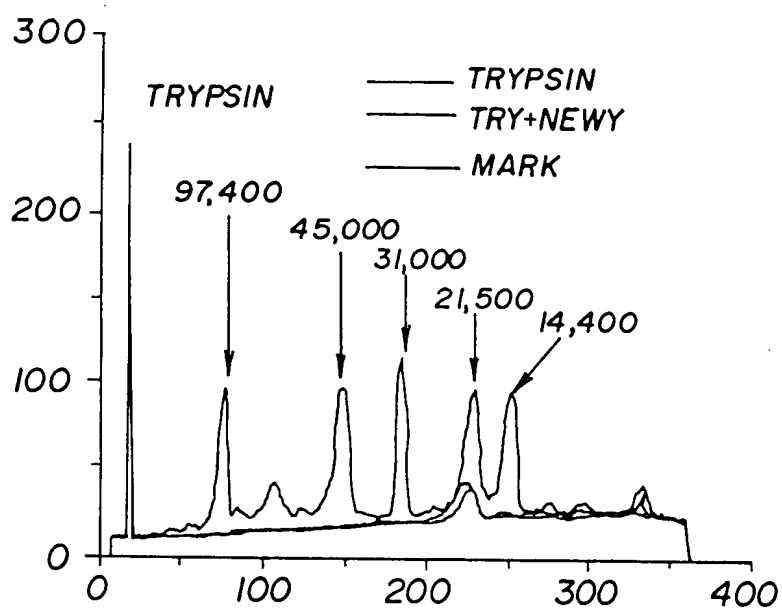
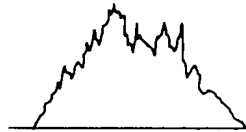


Fig. 4

BLOOD TYPE A



CONTROL



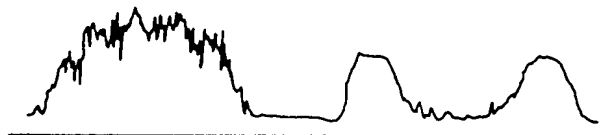
NEW Y



BLOOD TYPE B



CONTROL



NEW Y



BLOOD TYPE O



CONTROL



NEW Y



Fig. 5

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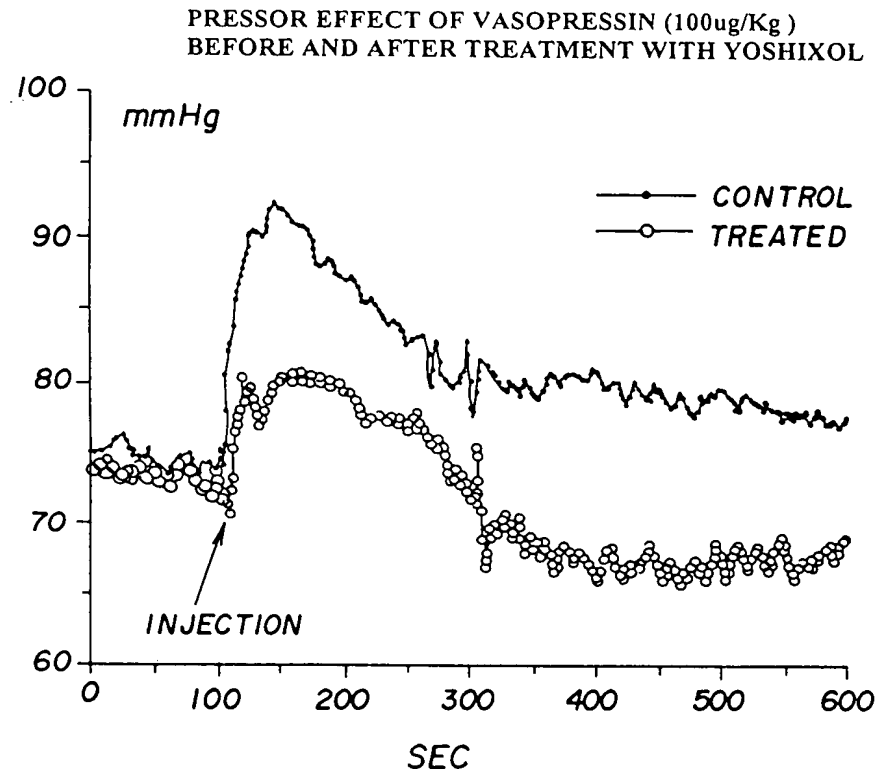


Fig. 6

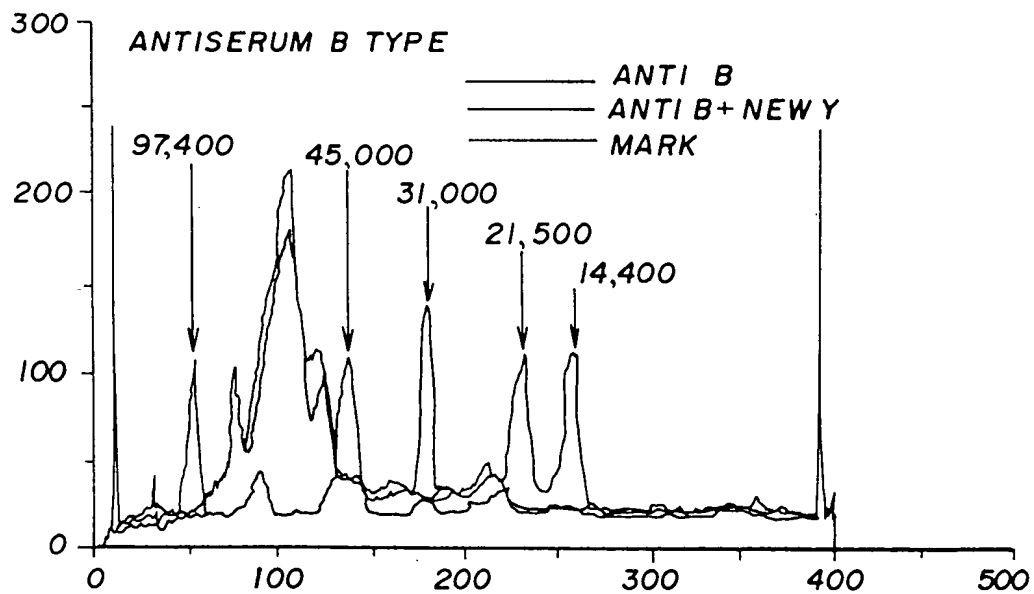


Fig. 7c

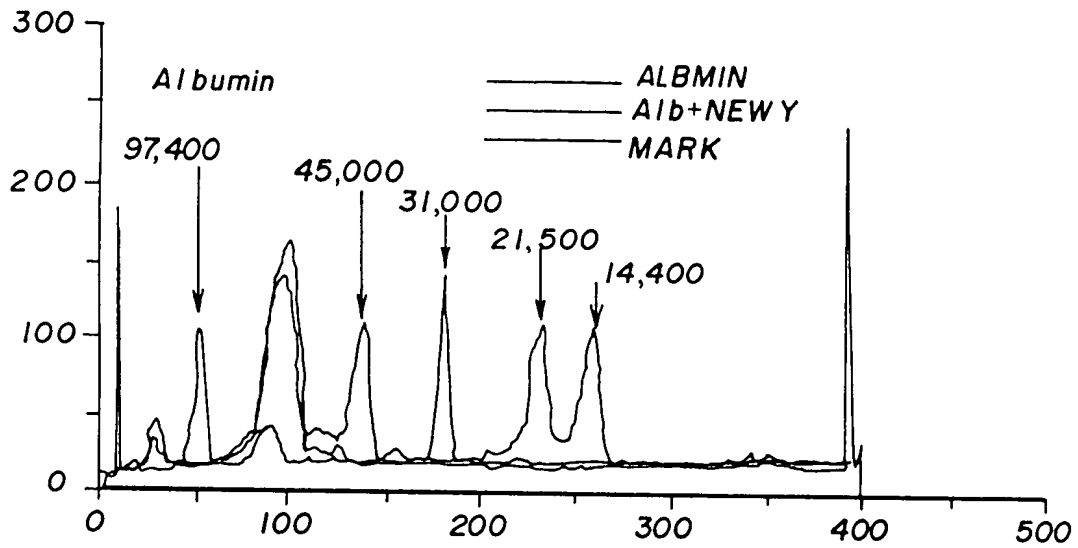


Fig. 7a

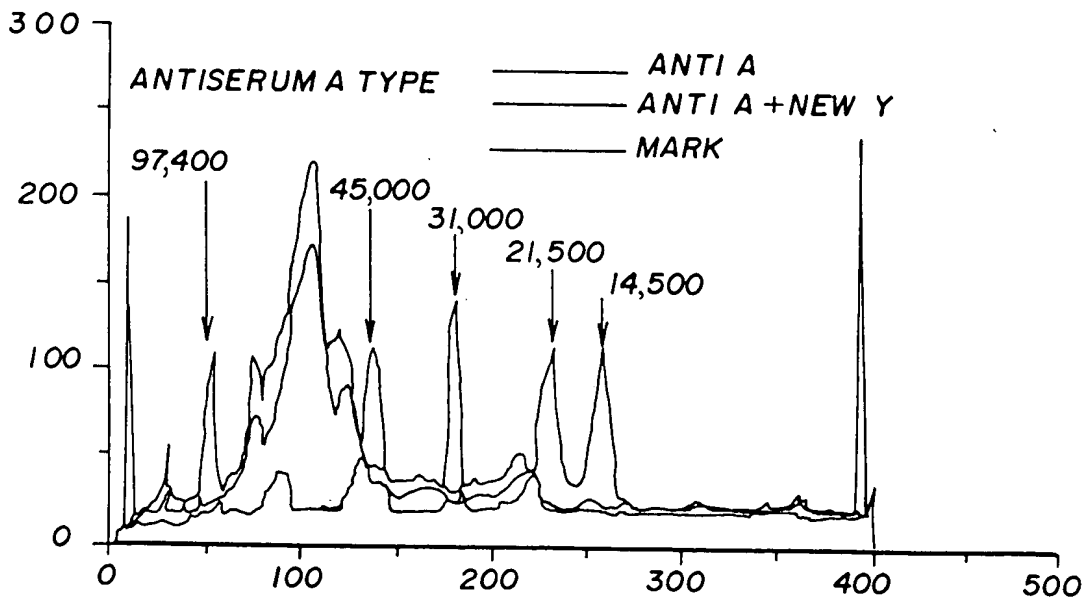


Fig. 7b

## ANTIBACTERIAL EFFECT OF YOSHIXOL ON MRSA

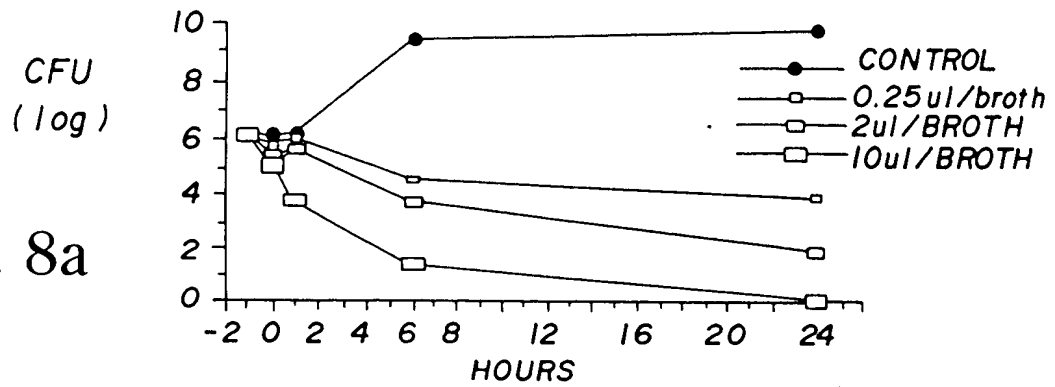


Fig. 8a

## ANTIBACTERIAL EFFECT OF YOSHIXOL ON E. COLI

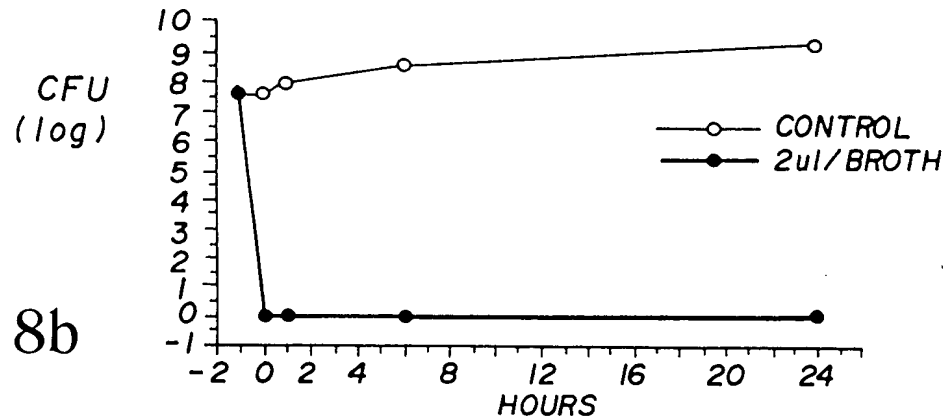


Fig. 8b

## ANTIFUNGAL EFFECT OF YOSHIXOL ON CANDIDA ALBICANS

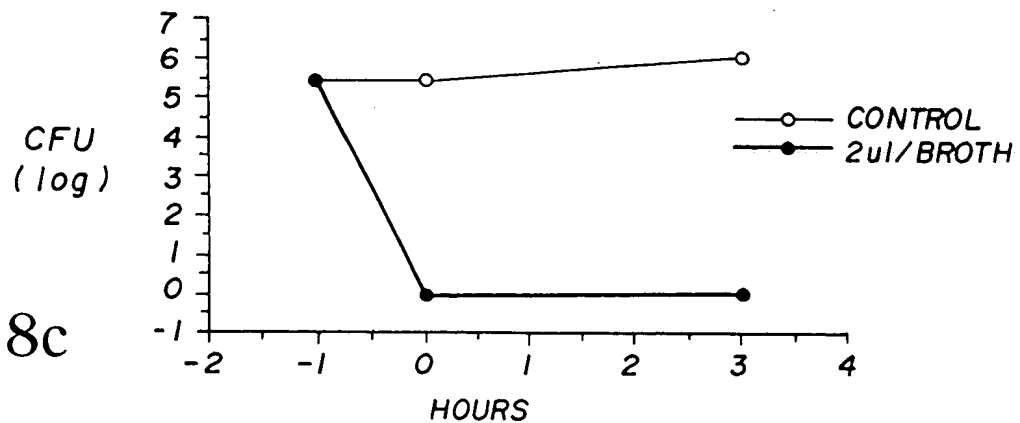


Fig. 8c

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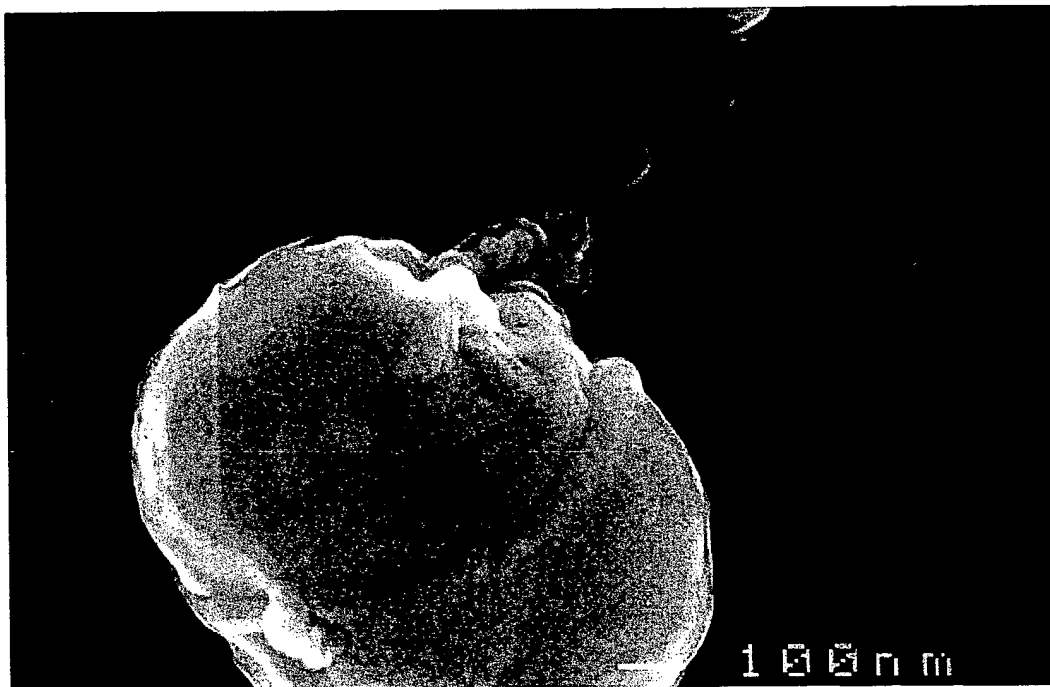


Fig. 9

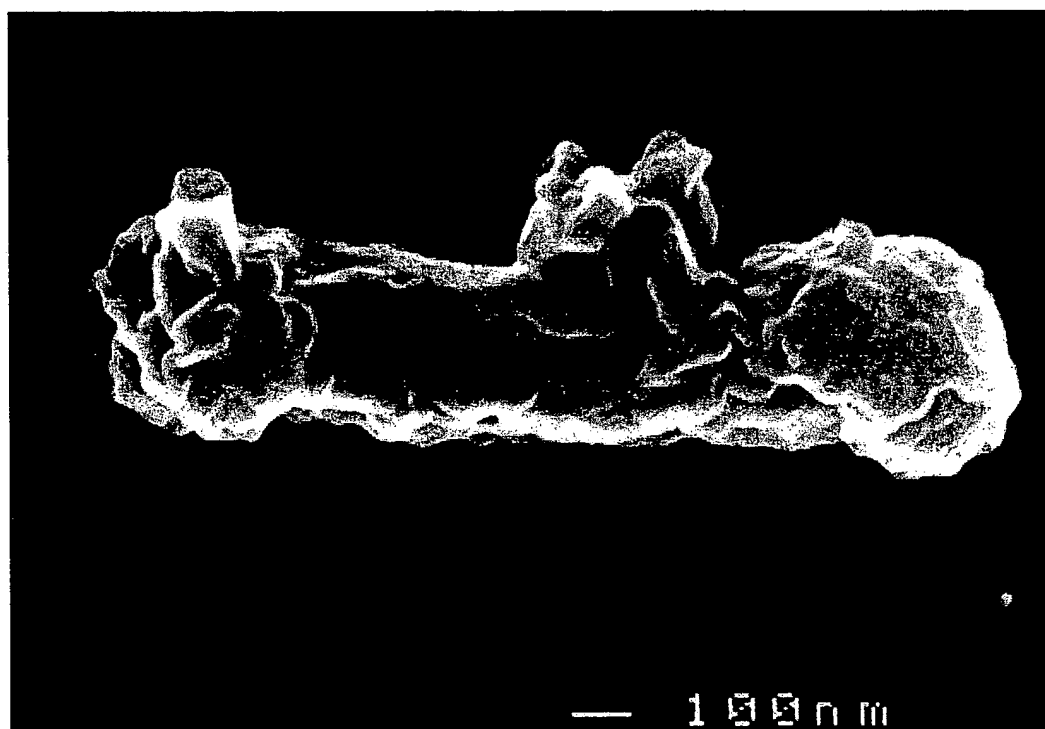


Fig. 10

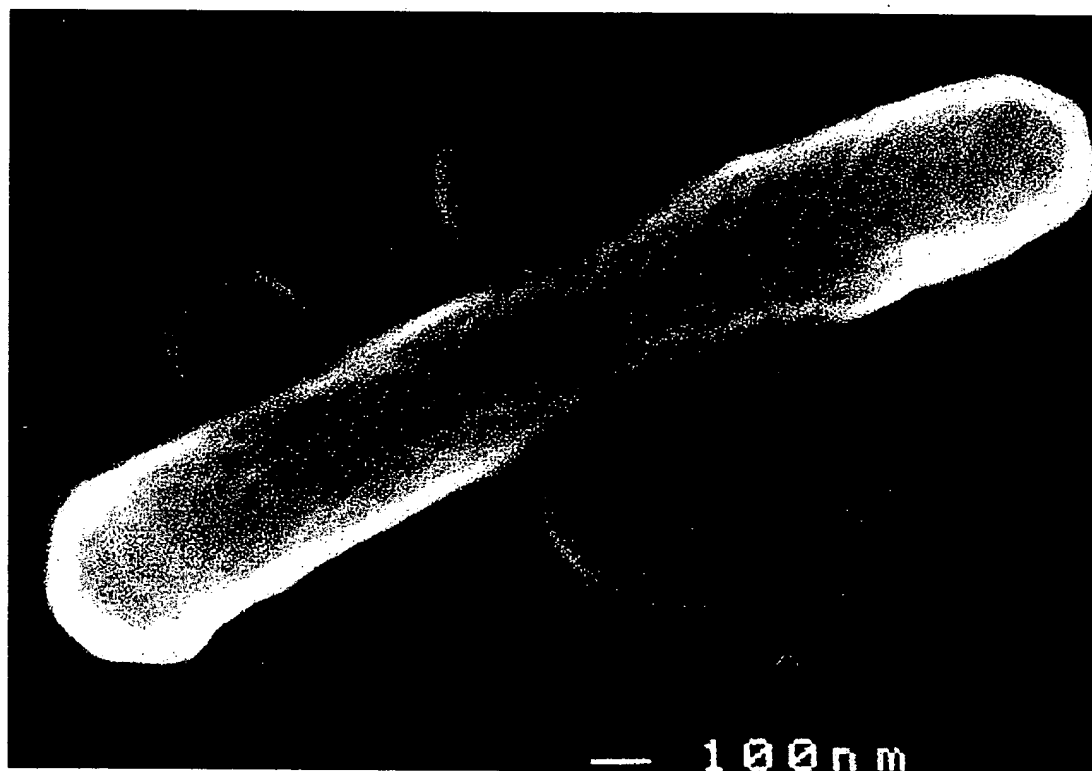


Fig. 11

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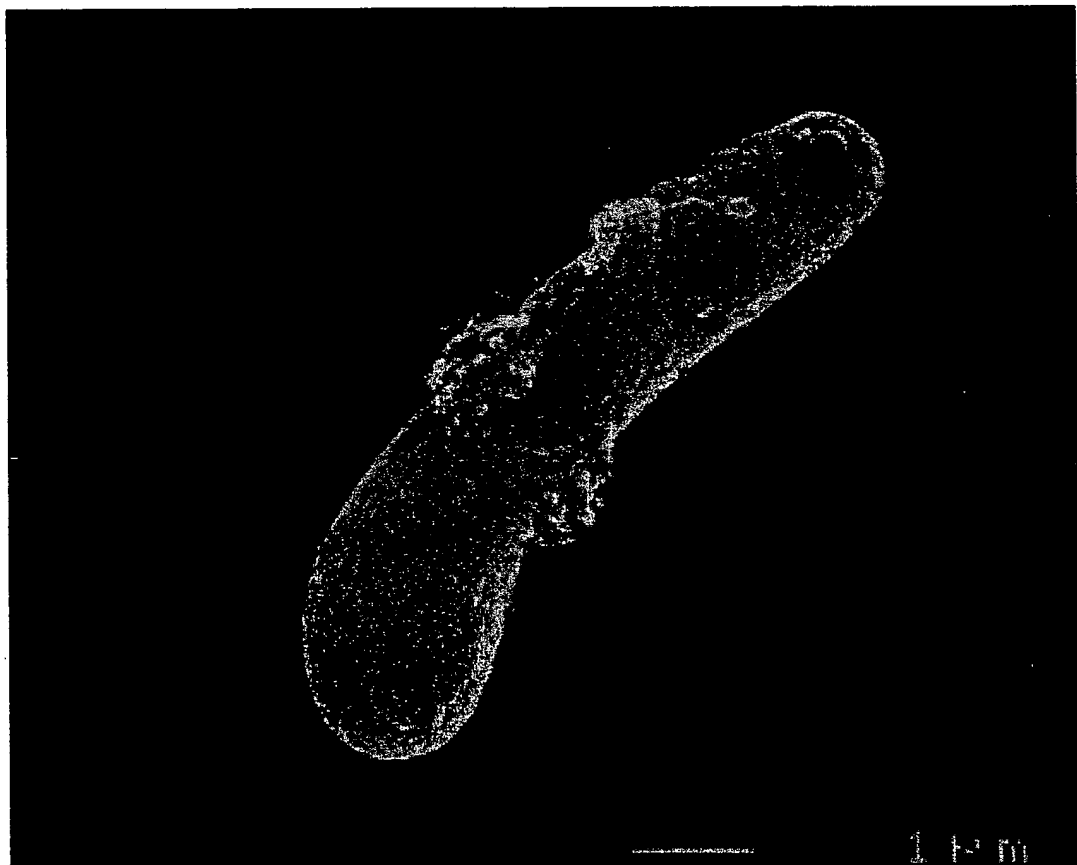
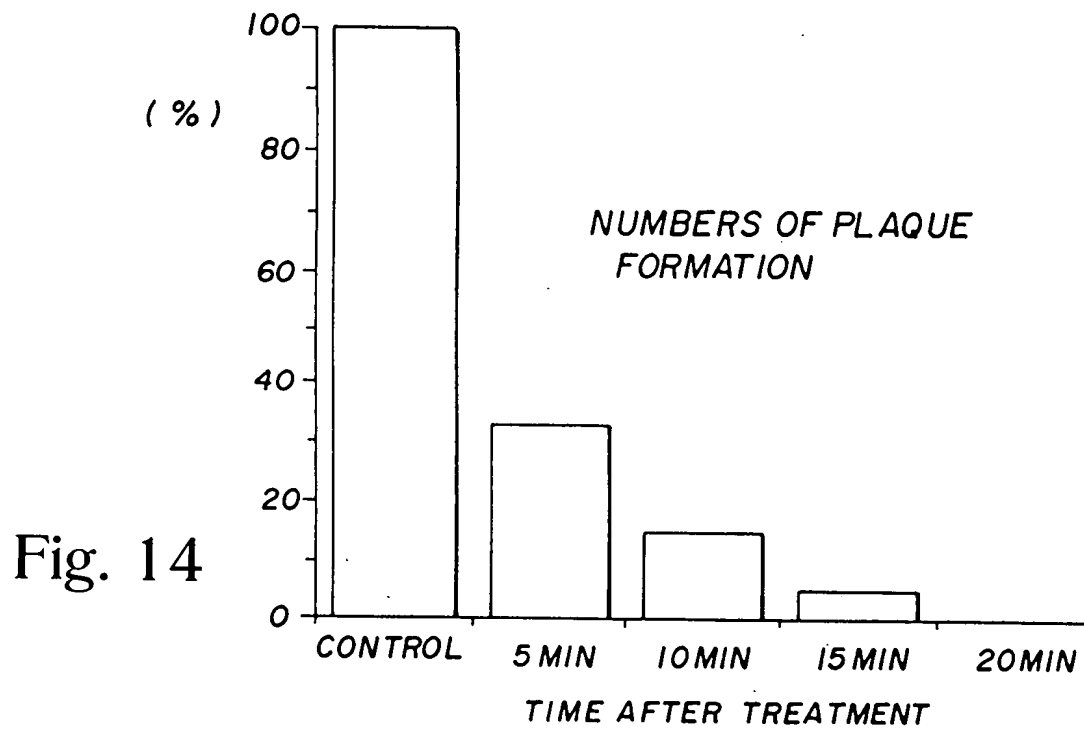
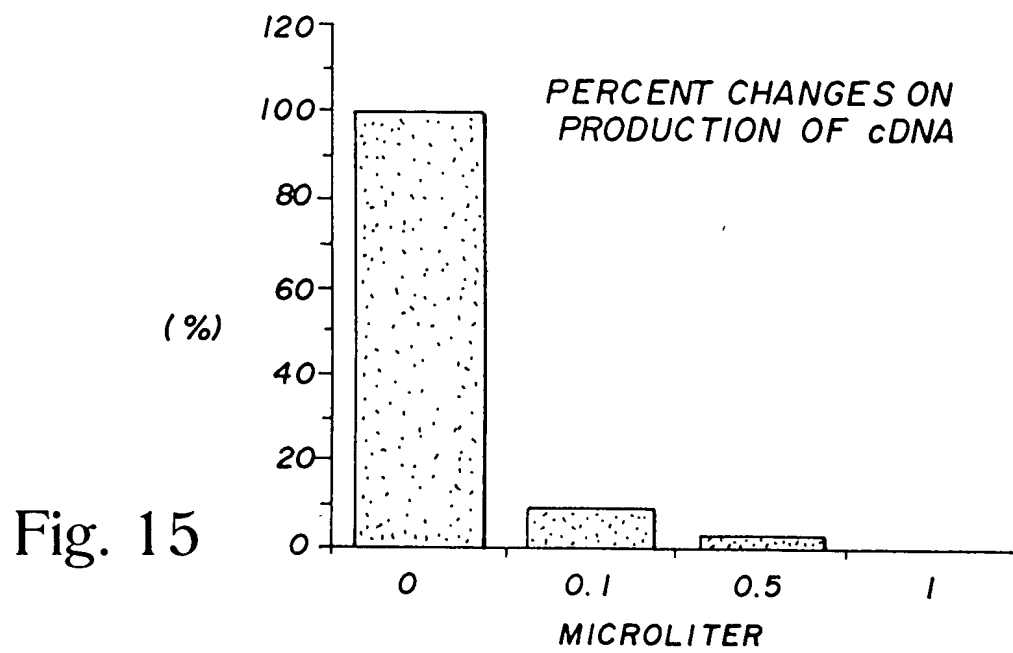


Fig. 12

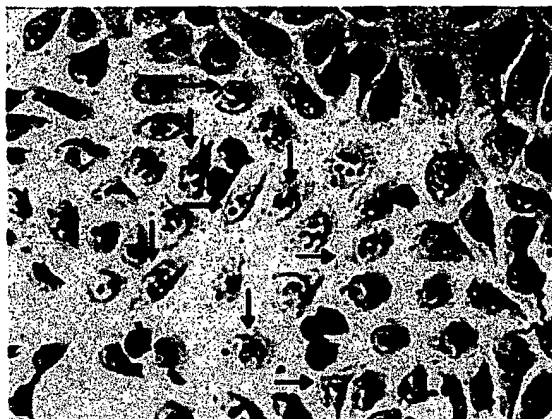


Fig. 13



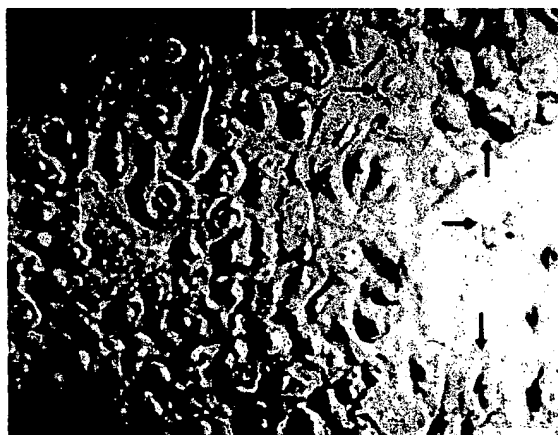


(a) NON-TREATED GROUP



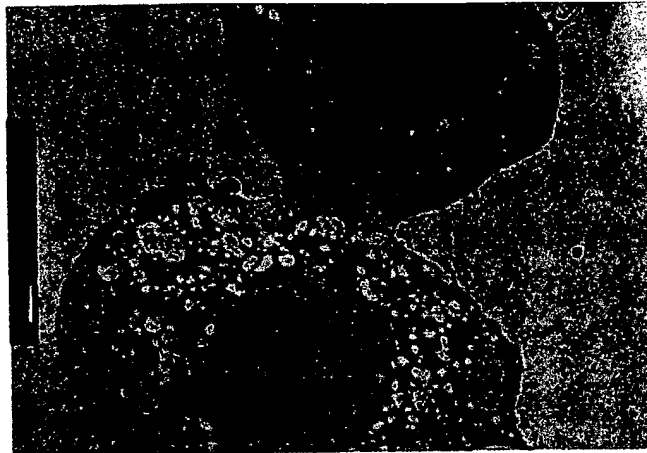
PHASE CONTRAST PHOTOMICROGRAPH OF NON-TREATED GROUP (x400 MAGNIFICATION). CULTURED KERATINOCYTES PROLIFERATE MONOLOGOUSLY AND IN ORDER. THERE ARE NO BLANK SPACES BETWEEN CELLS AND INTRACELLULAR SPACES ARE FILLED WITH INTRACELLULAR MATRIX. MANY ASPECTS OF CELL DIVISION AS INDICATED BY ARROW (→) ARE ALSO SHOWN.

(b) TREATED GROUP

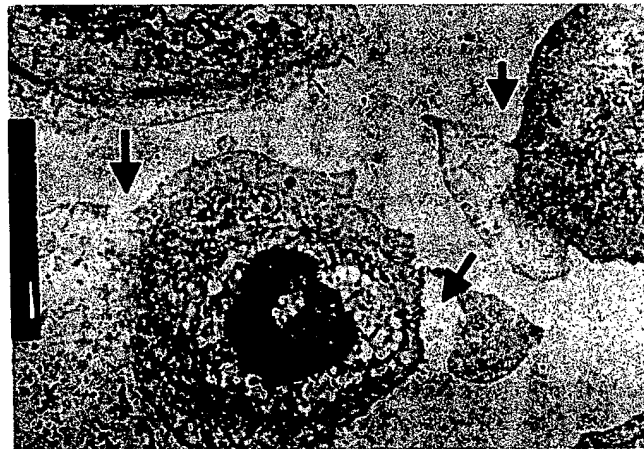


PHASE CONTRAST PHOTOMICROGRAPH OF TREATED GROUP (x400 MAGNIFICATION). CULTURED KERATINOCYTES ARE IRREGULARLY ARRANGED AND INTRACELLULAR MATRIX IS NOT UNIFORM. A NUMBER OF CELLS WHICH DIED (→), DENATURED OR ARE DYING (⇒) ARE OBSERVED.

Fig. 16



TRANSMISSION ELECTRON MICROPHOTOGRAPH OF CULTURED KERATINOCYTES IN NON-TREATED GROUP (x3000 MAGNIFICATION ). CELLS ARE ADHERED WITH EXTRACELLULAR MATRIX, VIA INTRACELLULAR ORGANELLA, AND CELL MEMBRANES.



TRANSMISSION ELECTRON MICROPHOTOGRAPH OF CULTURED KERATINOCYTES IN TREATED GROUP (x3000 MAGNIFICATION). DESTROYING OF INTRACELLULAR ORGANELLA (☆), DESTROYING OF CELL MEMBRANES (→) ARE OBSERVED AND ADHESION BETWEEN CELLS DISAPPEARED.

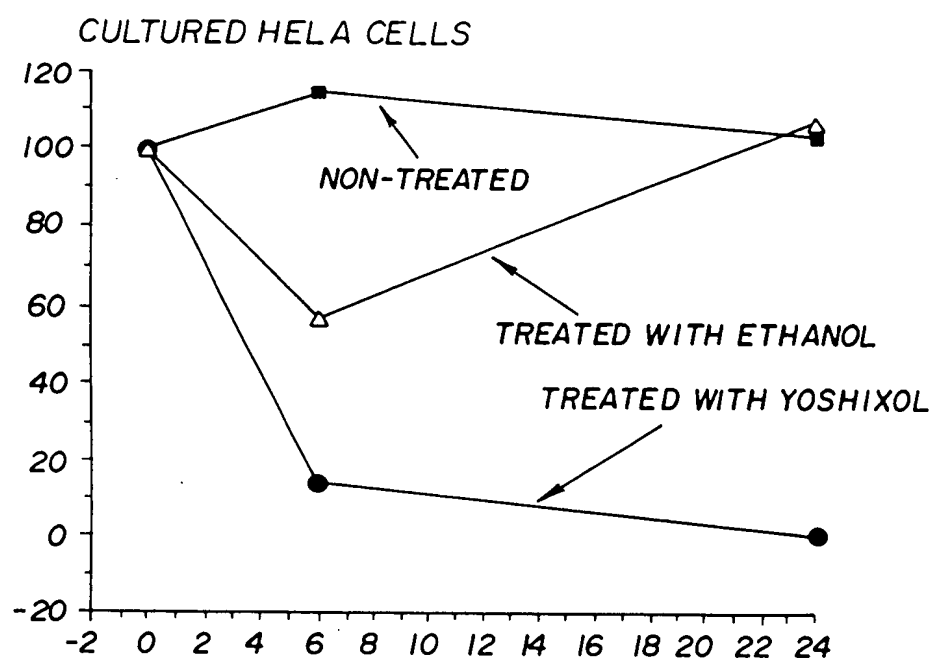


Fig. 18

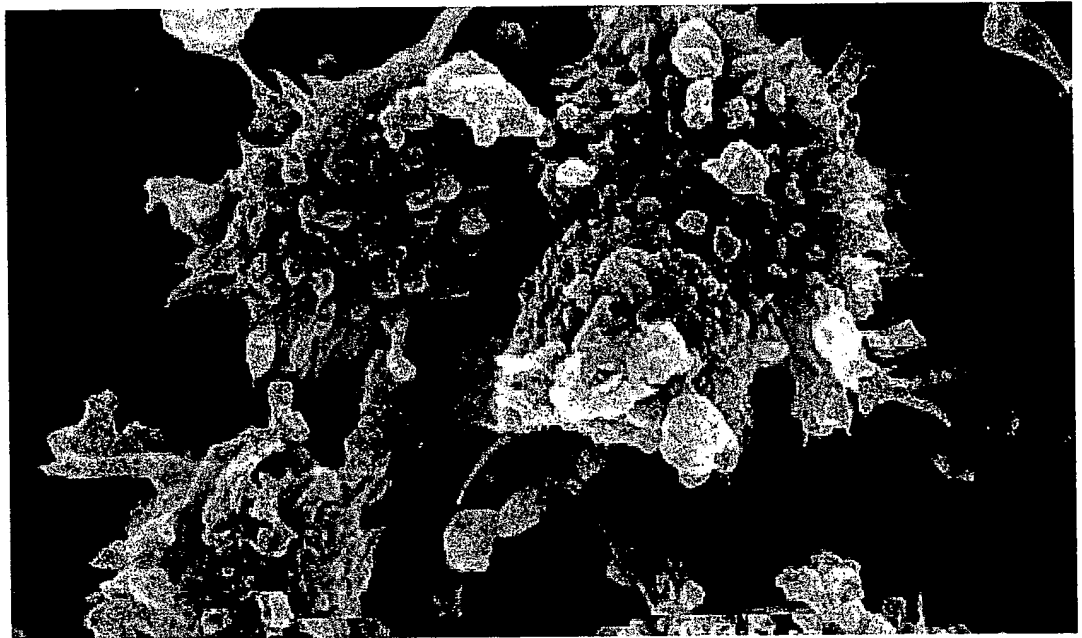
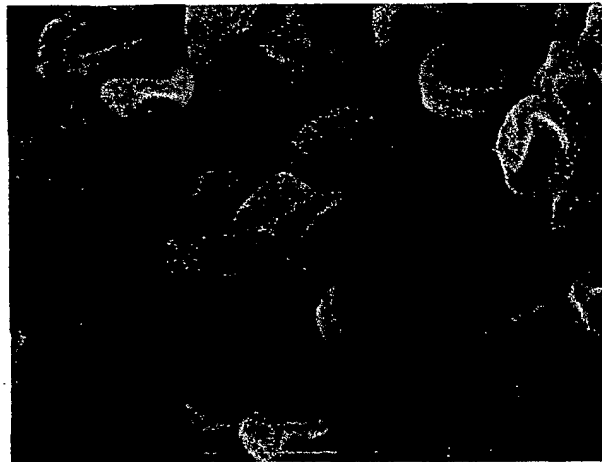


Fig. 19



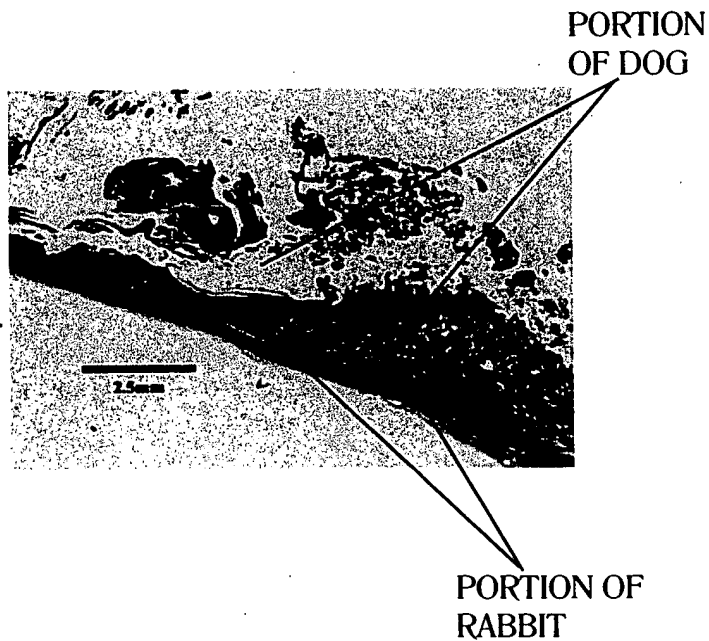
ELECTRON SCANNING MICROPHOTOGRAPH OF ERYTHROCYTES (x5000 MAGNIFICATION) IN NON-TREATED GROUP. SURFACES OF ERYTHROCYTES ARE COVERED WITH FIBRIN NETWORK LIKE A WEB (  $\Rightarrow$  ) AND COAGULATION AND /OR AGGREGATION OF ERYTHROCYTES IS SEVERE. FURTHER, ERYTHROCYTES BEING DESTROYED BY ROUNDING FORMATION ARE OBSERVED.



ELECTRON SCANNING MICROPHOTOGRAPH OF ERYTHROCYTES (x5000 MAGNIFICATION) IN TREATED GROUP. FIBRIN NETWORKS COVERING THE SURFACES OF ERYTHROCYTES AND COAGULATION AND /OR AGGREGATION OF ERYTHROCYTES ARE NOT OBSERVED. ERYTHROCYTES BEING DESTROYED ARE ALSO OBSERVED.

Fig. 20

SKIN-TRANSPLANTED PORTION OF RABBIT AS DONOR SKIN (DOG) WAS DIRECTLY TREATED WITH YOSHIXOL.



SKIN-TRANSPLANTED PORTION OF DOG AS DONOR SKIN (RABBIT) WAS TRANSPLANTED TO WHICH DOG WAS GIVEN YOSHIXOL INTRAVENOUSLY AFTER TRANSPLANTATION.

PORTION OF RABBIT

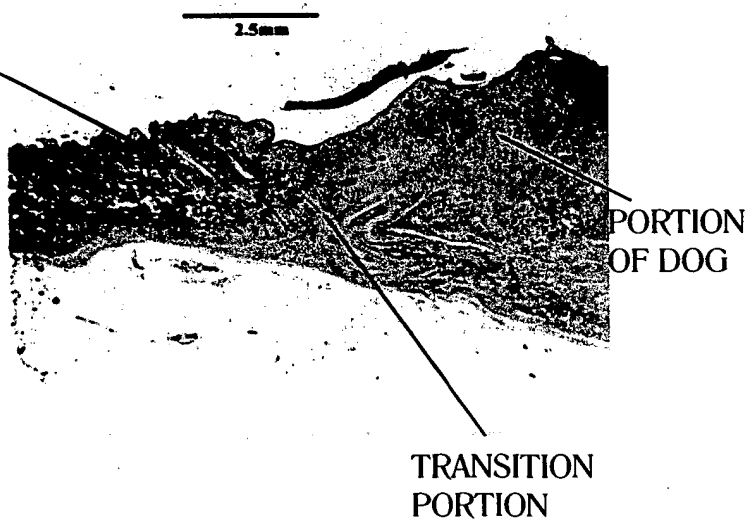
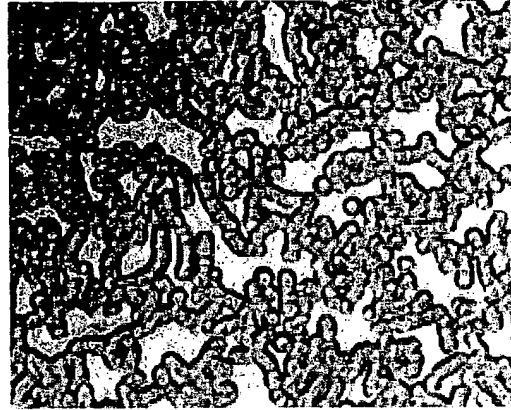


Fig. 21

BEFORE TREATMENT  
WITH YOSHIXOL



AFTER TREATMENT  
WITH YOSHIXOL

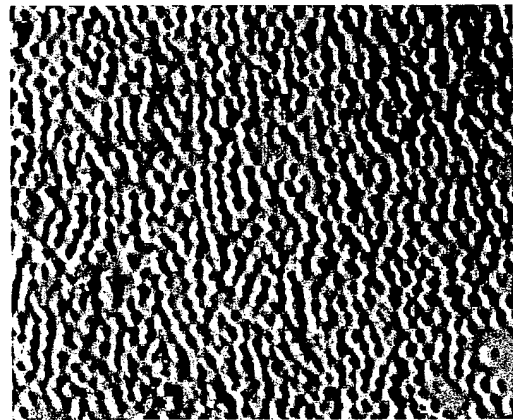


Fig. 22

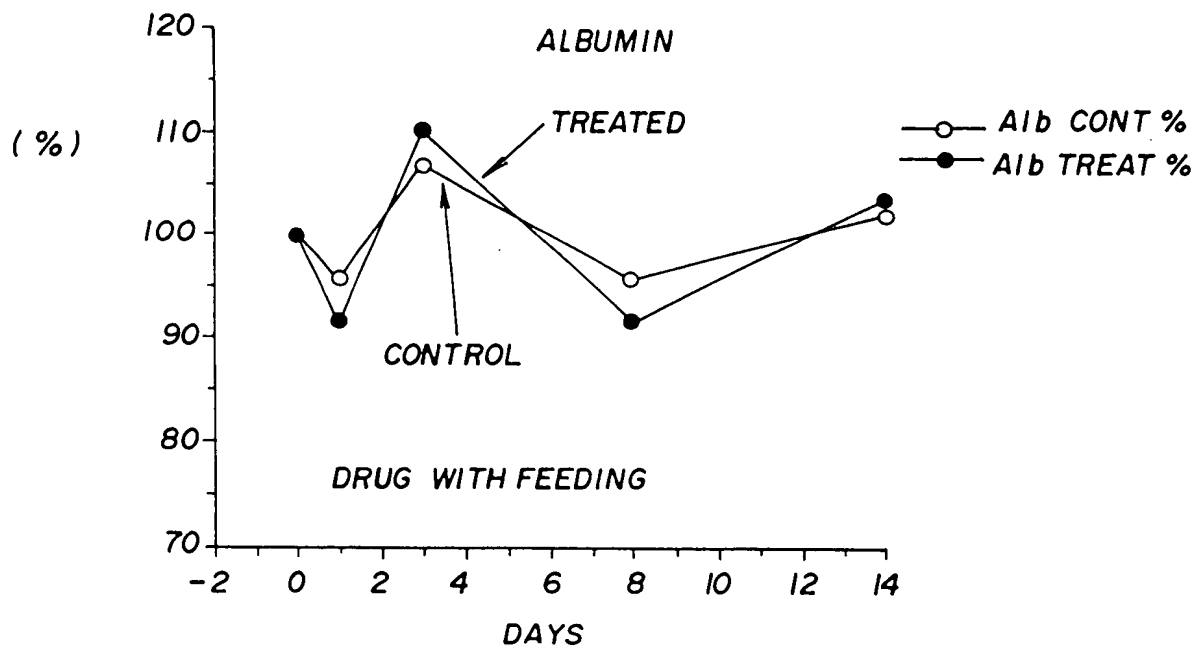
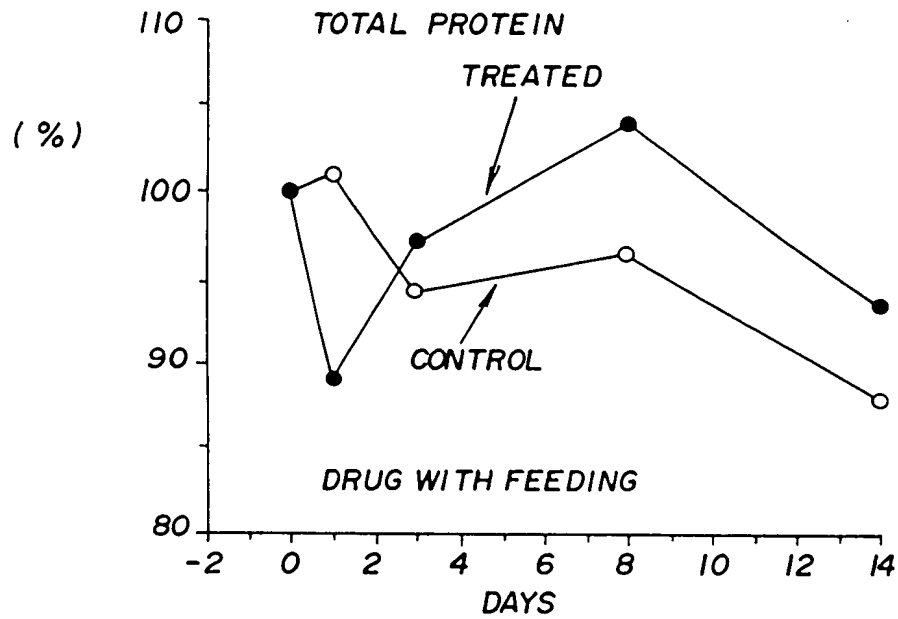


Fig. 23

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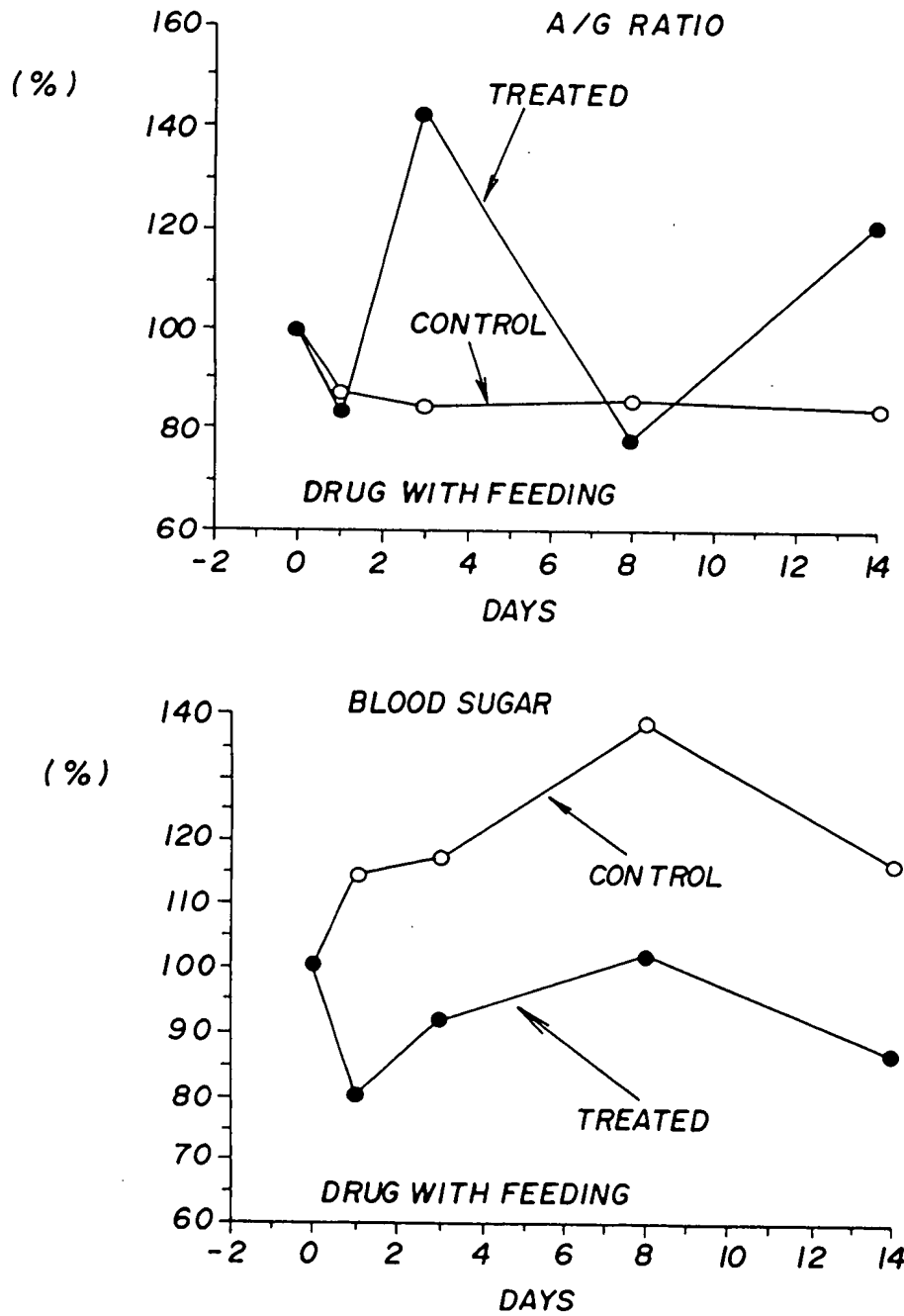


Fig. 24

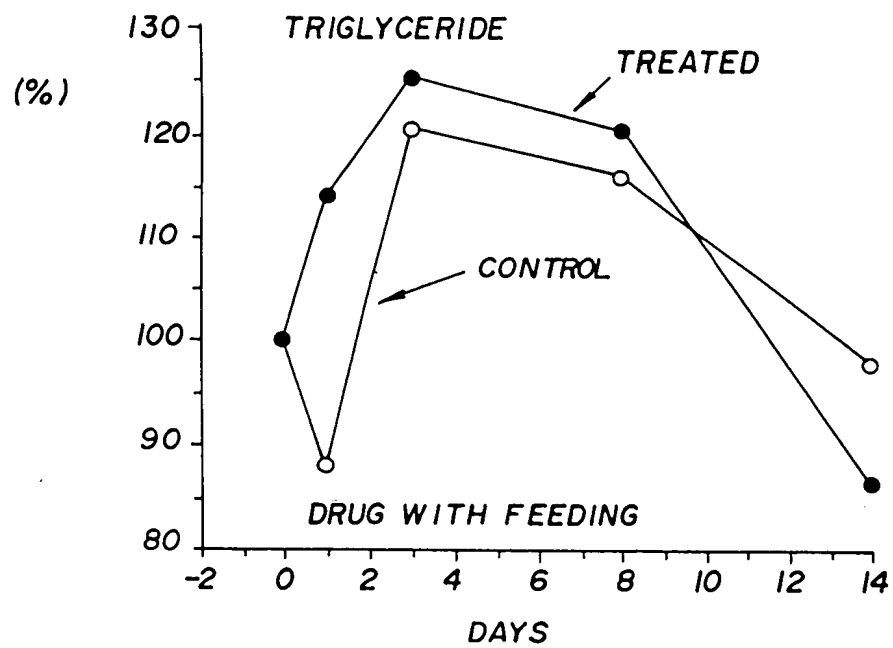
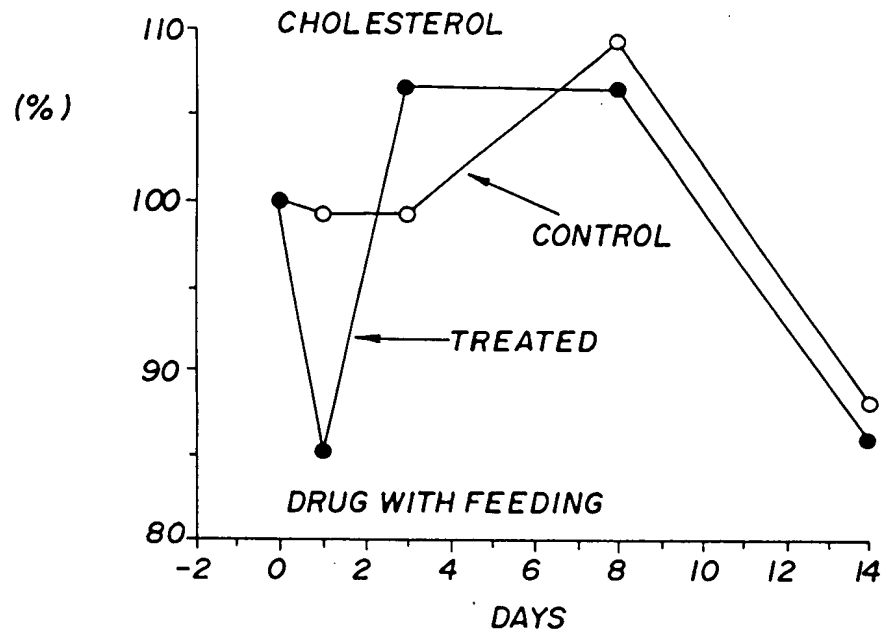


Fig. 25

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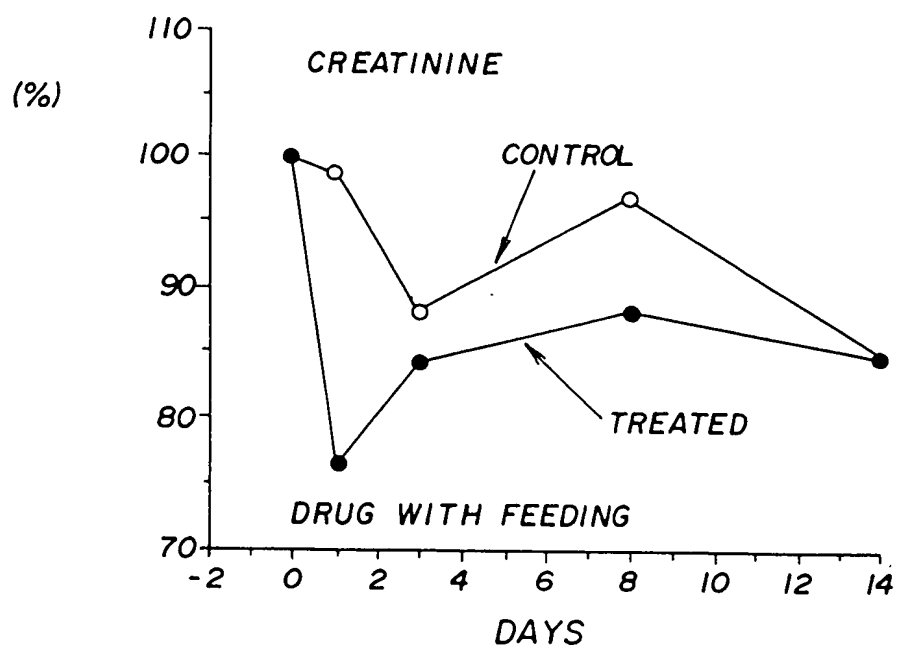
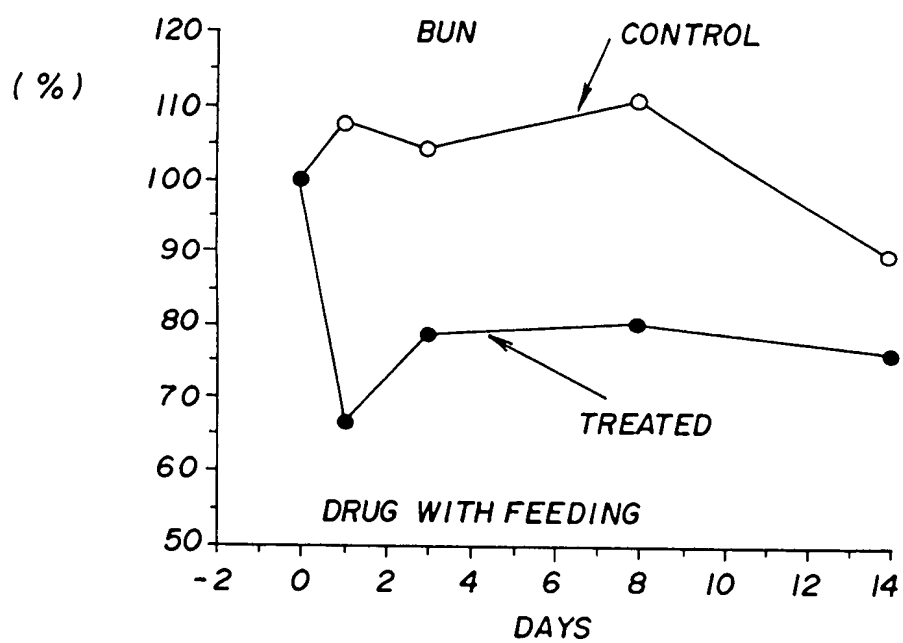


Fig. 26

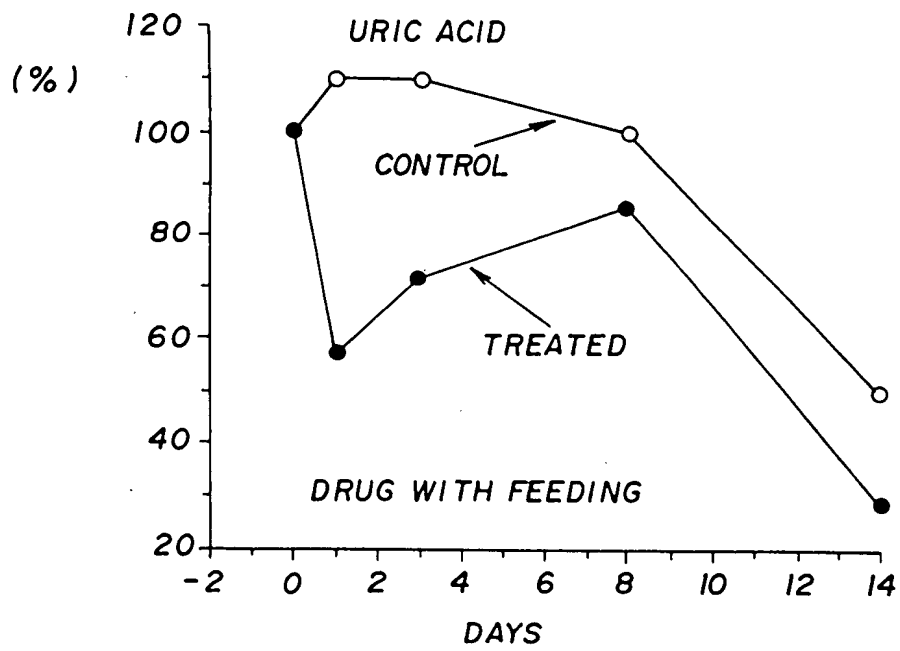
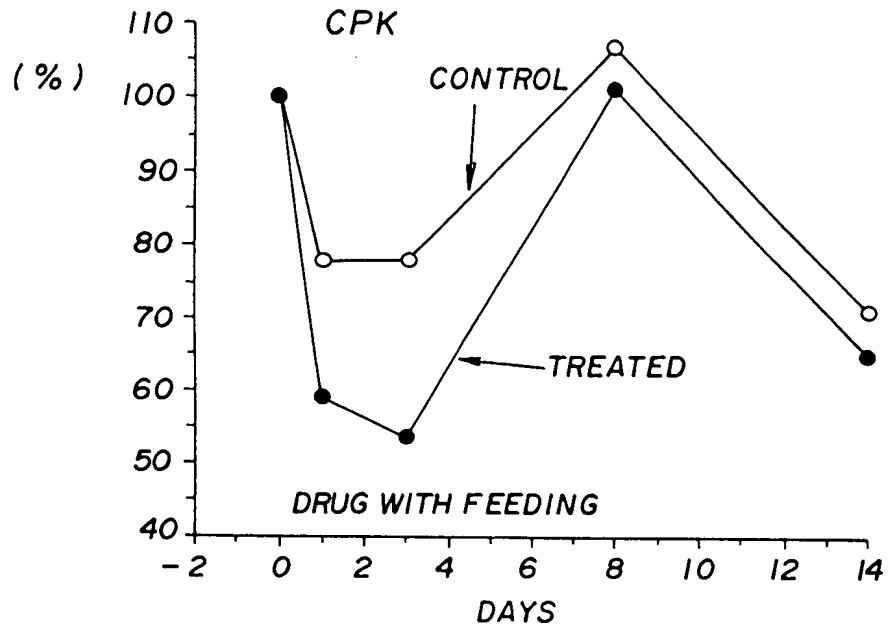
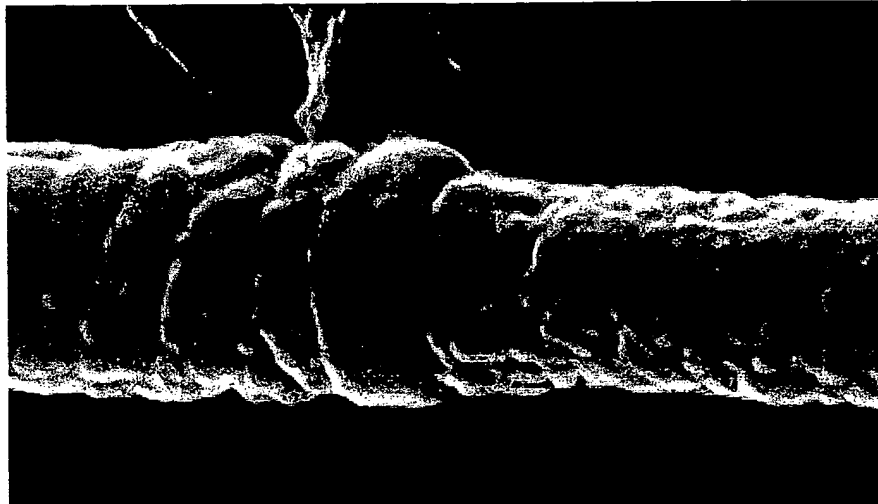


Fig. 27

CONTROL



TREATED

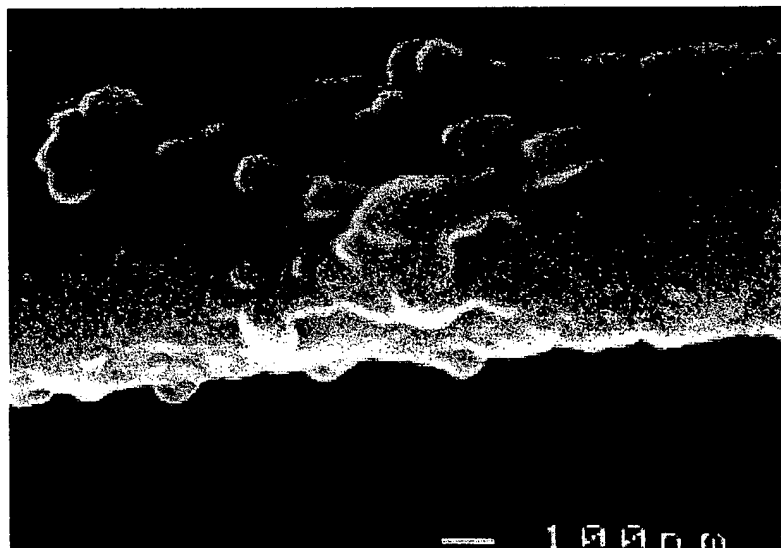
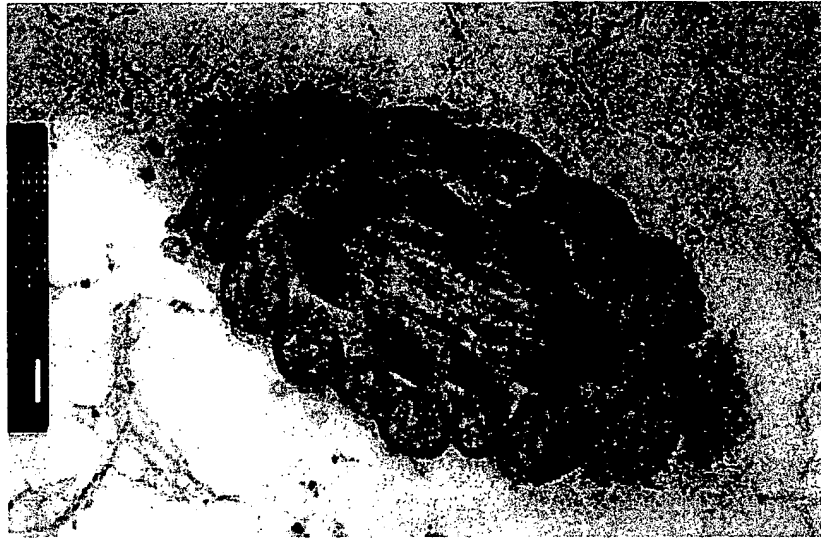


Fig. 28

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NON-TREATED



TREATED



Fig. 29

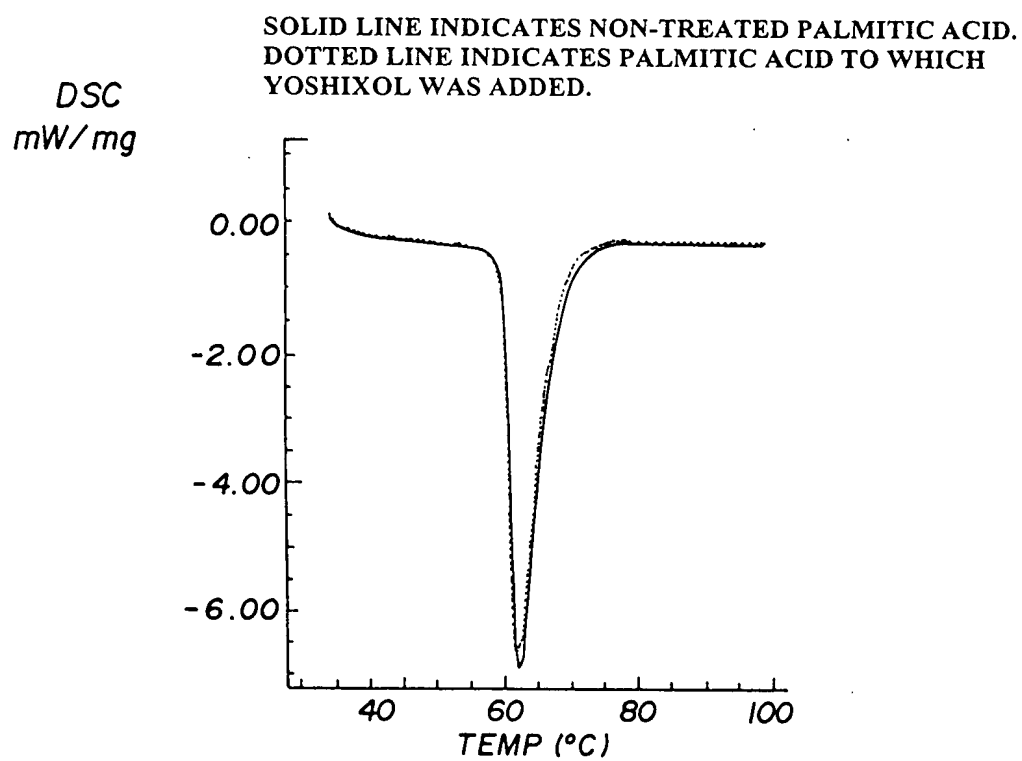


Fig. 30

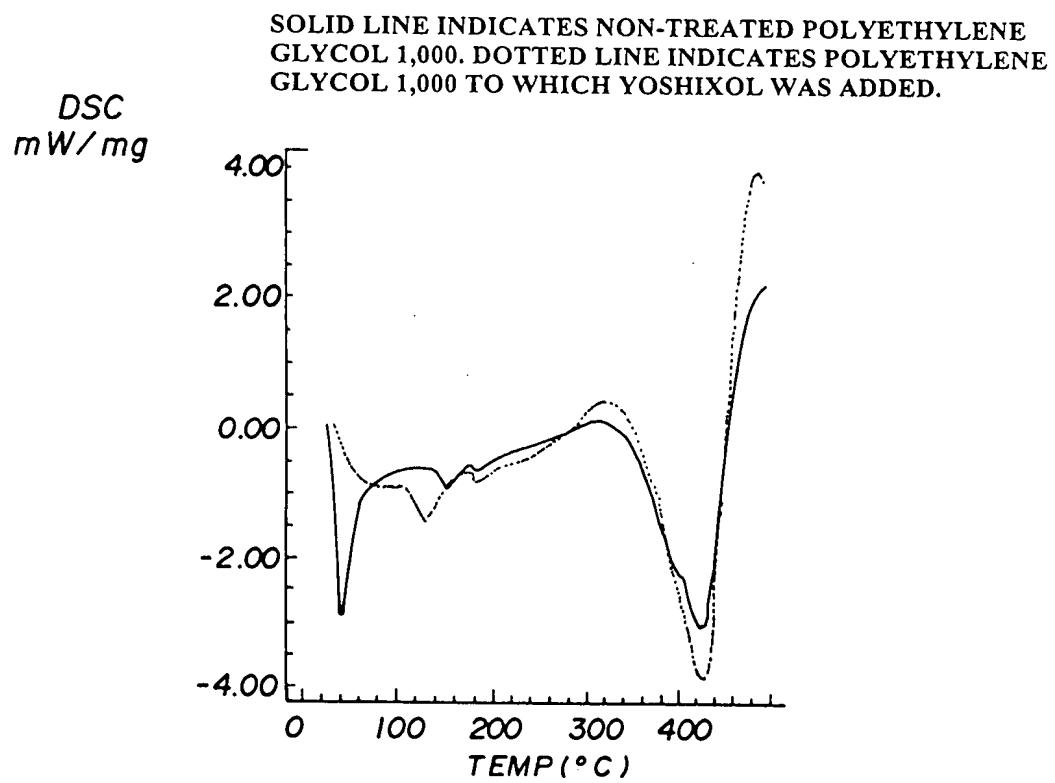


Fig. 31

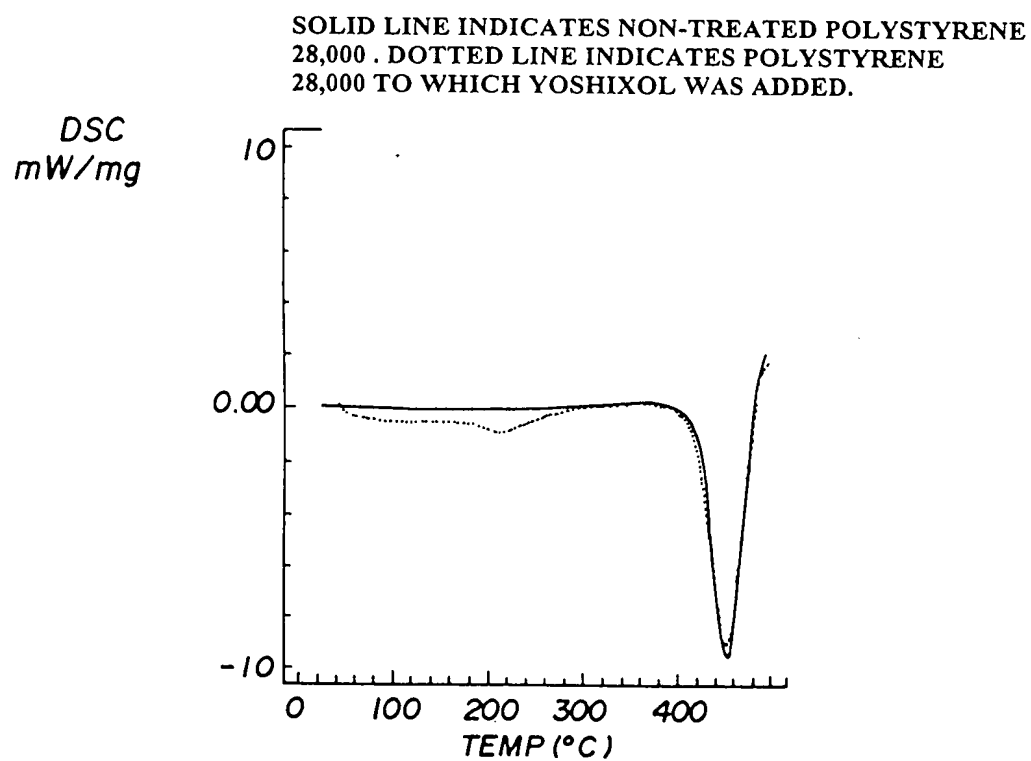
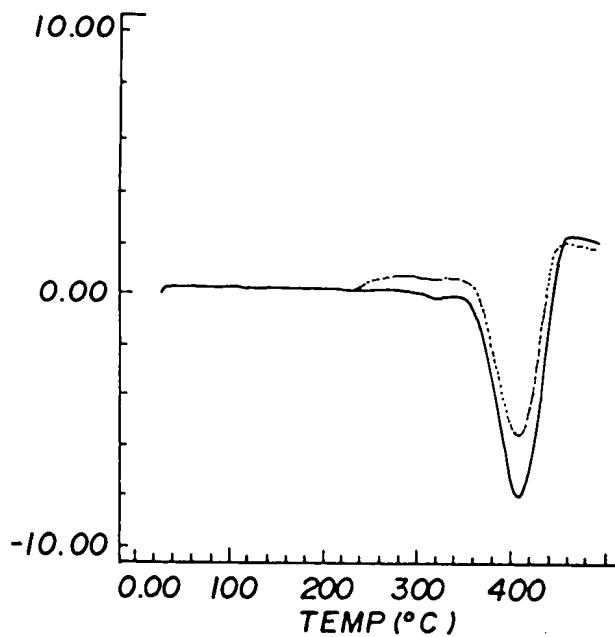


Fig. 32

SOLID LINE INDICATES NON-TREATED METHYL METHACRYLATE.  
DOTTED LINE INDICATES METHYL METHACRYLATE TO WHICH  
YOSHIXOL WAS ADDED.

DSC  
mW/mg



SOLID LINE INDICATES NON-TREATED ETHYL METHACRYLATE.  
DOTTED LINE INDICATES ETHYL METHACRYLATE TO WHICH  
YOSHIXOL WAS ADDED.

DSC  
mW/mg

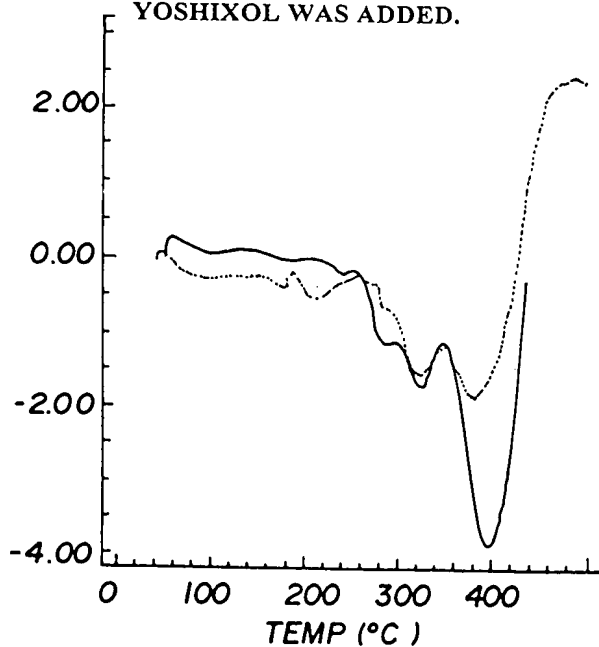


Fig. 33

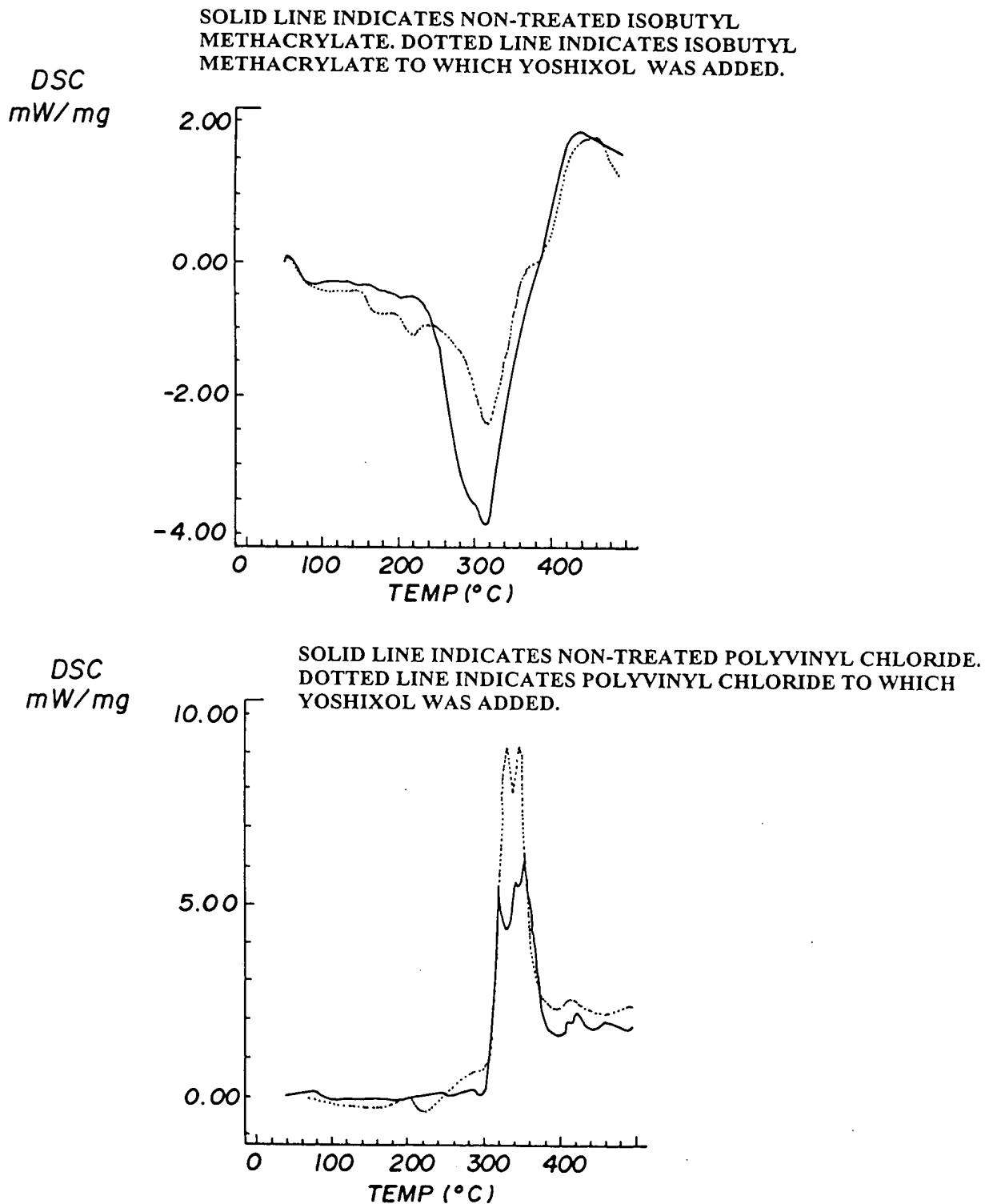


Fig. 34

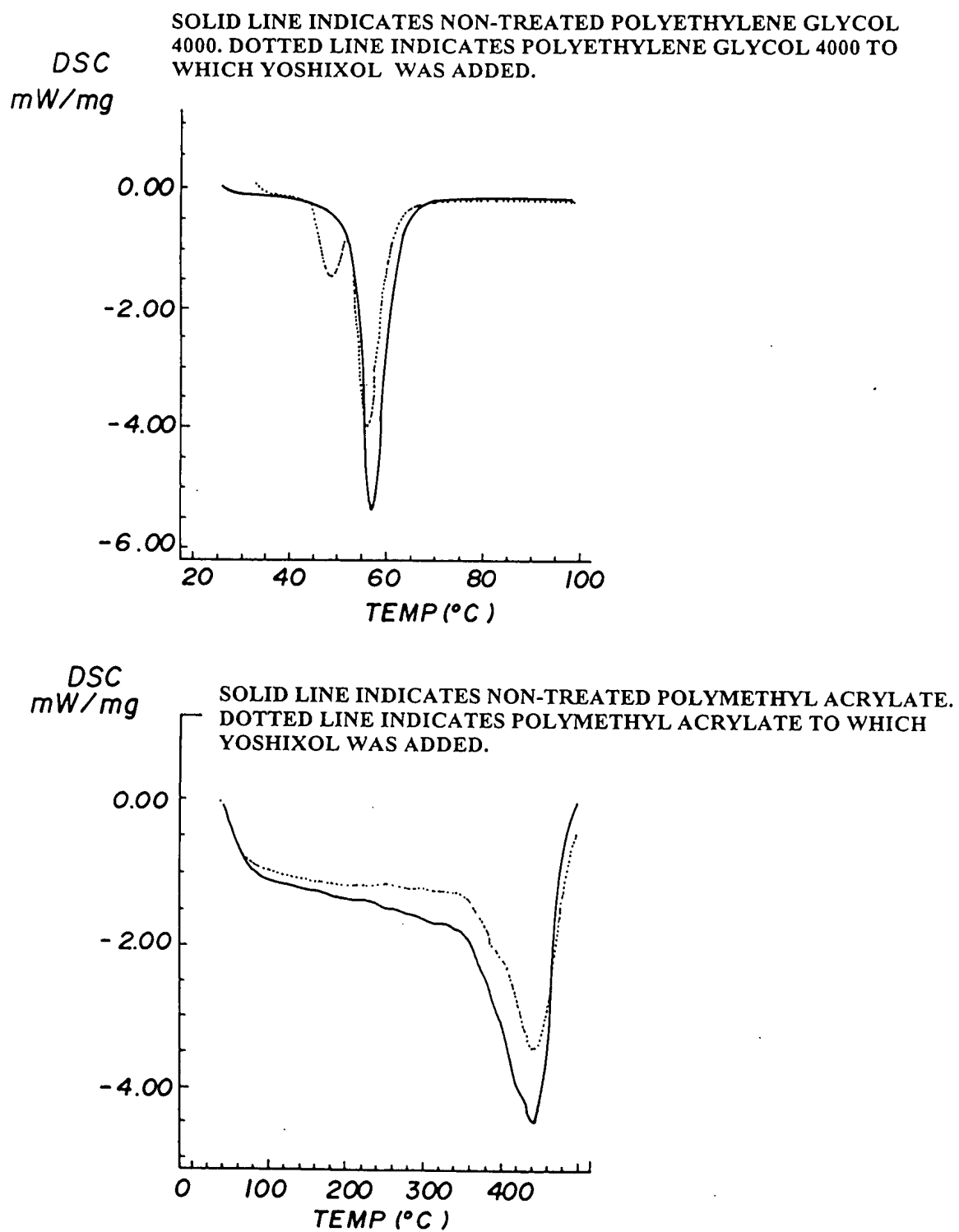


Fig. 35

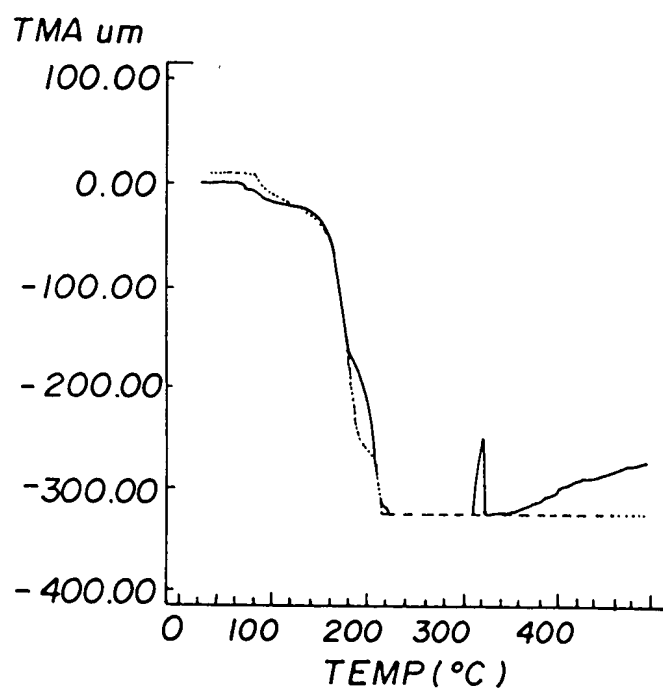
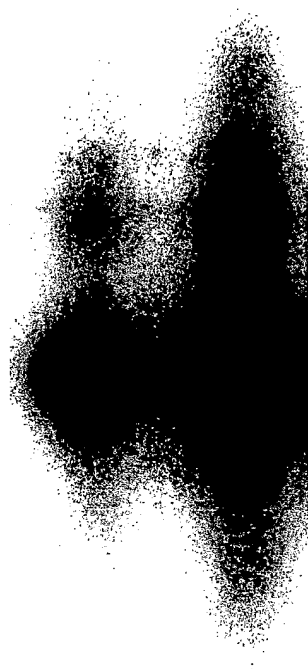


Fig. 36

SYNTHESIS # 1

SYNTHESIS # 2



CONTROL TREATED

CONTROL TREATED

Fig. 37

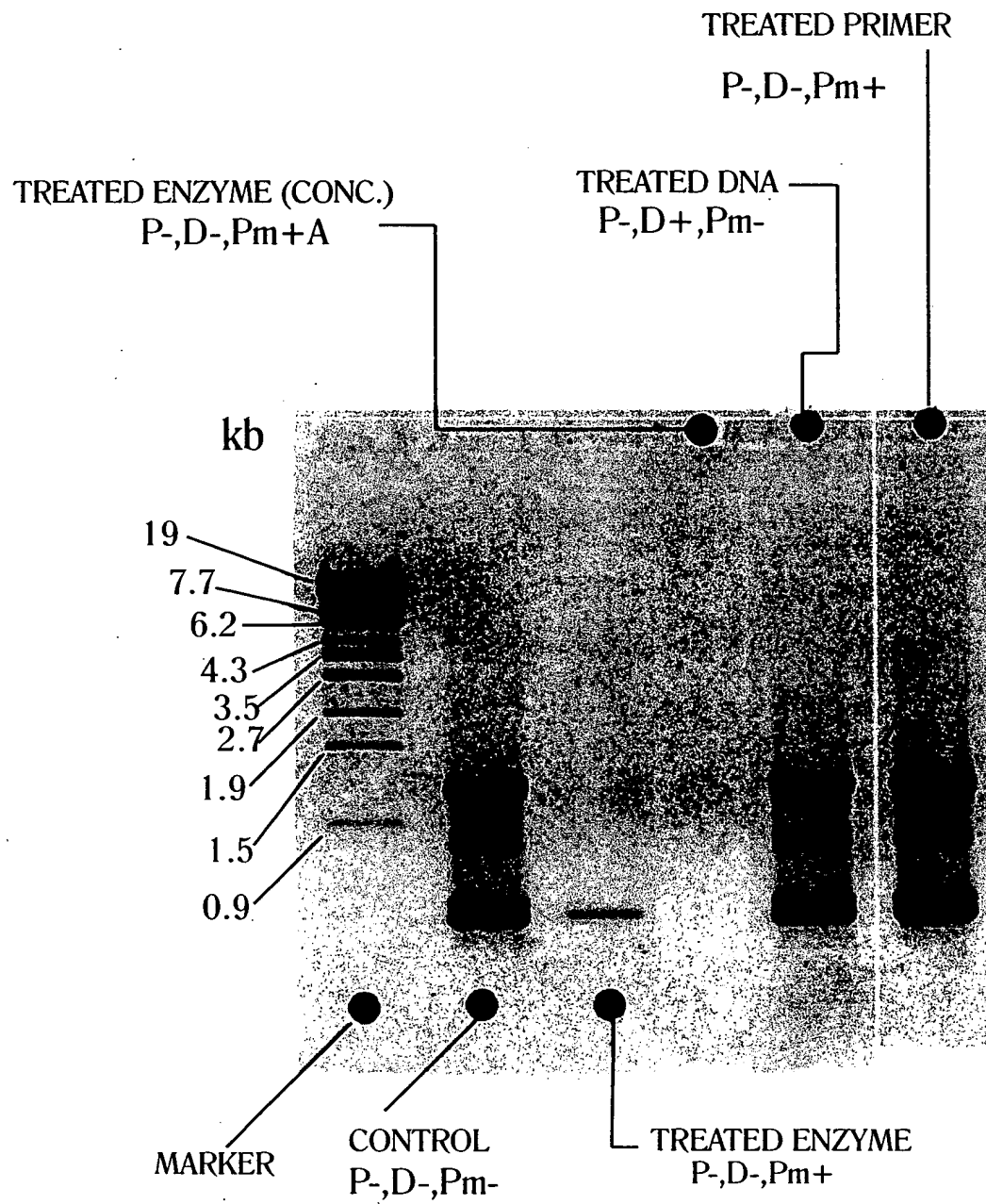


Fig. 38

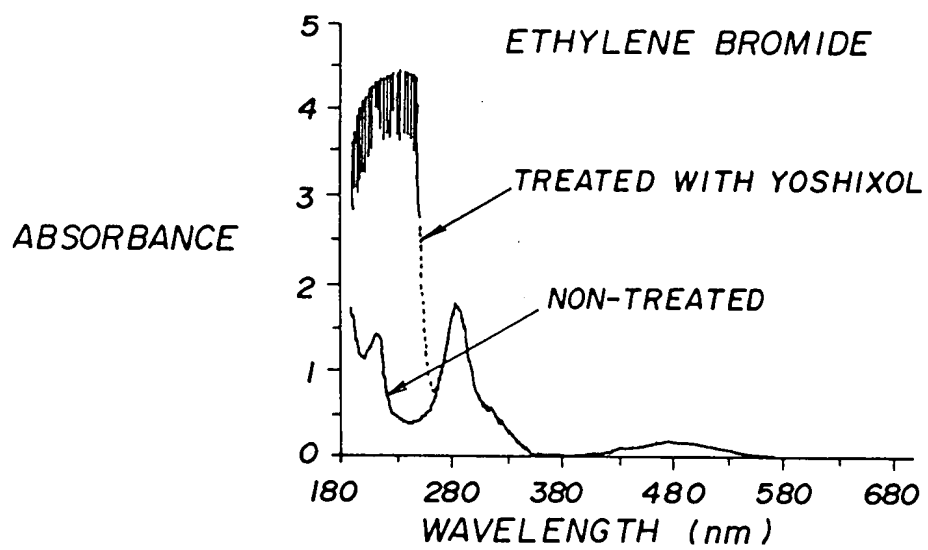


Fig. 39